

Nitrogen ← Click here to view article

Name: Nitrogen

Symbol: N

Atomic number: 7

Atomic mass: 14.0067

Electron shell structure: 2, 5

Discoverer: Daniel Rutherford

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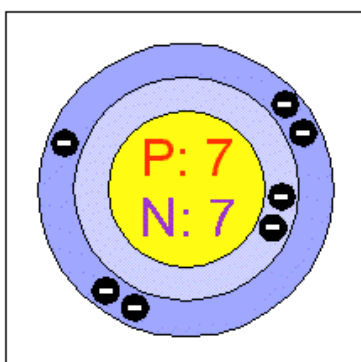
7	2 5
N Nitrogen 14.0067	

world book on line

<http://www.worldbookonline.com/student/extmedia?id=ar392400&st=nitrogen&em=lr005782>

Name: Nitrogen
Symbol: N
Atomic Number: 7
Atomic Mass: 14.00674 amu
Melting Point: -209.9 °C (63.250008 K, -345.81998 °F)
Boiling Point: -195.8 °C (77.35 K, -320.44 °F)
Number of Protons/Electrons: 7
Number of Neutrons: 7
Classification: [Non-metal](#)
Crystal Structure: Hexagonal
Density @ 293 K: 1.2506 g/cm³
Color: colorless

Atomic Structure



Number of Energy Levels: 2

First Energy Level: 2
Second Energy Level: 5

Isotopes

Isotope	Half Life
N-13	9.97 minutes
N-14	Stable
N-15	Stable
N-16	7.13 seconds

H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba		Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra		Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub						
			La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
			Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

<http://www.chemicalelements.com/>

Date of Discovery: 1772

Discoverer: Daniel Rutherford

Name Origin: Greek

Uses: forms most of atmosphere

Obtained From: from liquid air

<http://www.chemicalelements.com/elements/n.html>



<http://www.periodictable.com/Elements/007/index.html>

Nitrogen is a nonmetallic chemical element. It occurs in nature as a colorless, odorless, and tasteless gas.

<http://www.worldbookonline.com/student/article?id=ar392400&st=nitrogen>



https://secure.demonweb.co.uk/earls100/earls_shop/images/NOS14545.jpg

this gas makes up about 78 percent of the earth's atmosphere by volume.